

The diagram illustrates a plasma processing apparatus. At the top, a central vertical assembly includes a 'THROUGH FILTER' (24) connected to ground, a 'FILTER' (8), and two 'TUNER' units (21 and 22) connected to AC sources (9 and 7) and ground. Below the filter is a multi-stage electrode structure. The top stage (1) has a central electrode (10) and side electrodes (16 and 3A). A 'COOLANT GAS' inlet (4) is positioned between the top and second stages. The second stage (6) features a central electrode (5) and side electrodes (13 and 17). A 'COOLANT' inlet (3B) is located on the right side of this stage. The third stage (11) has a central electrode (12) and side electrodes (15 and 14). A 'COOLANT' inlet (26) is on the left side. The bottom stage (20) is connected to a 'TUNER' (23) and an AC source (18) through a switch (19). The entire apparatus is enclosed in a chamber with a 'COOLANT' inlet (2) on the right and an 'EXHAUST GAS' outlet at the bottom left.

